

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :

A61K 9/12, 31/135**A1**

(11) International Publication Number:

WO 99/51205

(43) International Publication Date:

14 October 1999 (14.10.99)

(21) International Application Number:

PCT/GB99/01019

(22) International Filing Date:

1 April 1999 (01.04.99)

(30) Priority Data:

9807232.5

3 April 1998 (03.04.98)

GB

(71) Applicants (for all designated States except US): UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED [GB/GB]; 56 Park Place, P.O. Box 487, Cardiff CF1 3XR (GB). CARDIFF SCINTIGRAPHICS LIMITED [GB/GB]; Redwood Building, King Edward VII Avenue, Cathays Park, Cardiff CF1 3XF (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DICKINSON, Paul, Alfred [GB/GB]; 15 Holgate Close, Danescourt, Cardiff CF1 2PE (GB). WARREN, Simon, John [GB/GB]; 63 Canada Road, Heath, Cardiff CF4 3BX (GB).

(74) Agent: HOWARD, Paul, Nicholas; Carpmaels & Ransford, 43 Bloomsbury Square, London WC1R 2RA (GB).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published*With international search report.**Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.*(54) Title: **AEROSOL COMPOSITION****(57) Abstract**

An aerosol composition comprising a propellant and a first particulate material comprising particles having a median aerodynamic diameter within the range 0.05 to 11 μm , such as a medicament suitable for pulmonary inhalation, and a second particulate material comprising particles having a median volume diameter within the range 15 to 200 μm . The presence of the second particulate material provides good suspension properties, particularly where the propellant is a hydrofluoro alkane.